

In the Claims:

Please cancel claims 1-19, 38 and 41-42, amend claims 20, 25, 34-37, and add new claims 43-47, as follows. The following list of claims replaces all preceding lists.

1-19. (canceled)

20. (currently amended) An apparatus for processing a multiplayer game configured to user biometric input, the apparatus comprising:

at least one game platform; the at least one game platform comprising:

a multimedia event engine to generate multimedia events based on an event sequence and transmit the multimedia events to at least one display to be viewed by a first group of users;

at least one biometric signal input to receive biometric information from a second group of users, the second group of users selected from a group of users consisting of: all the first group of users, at least one of the first group of users, or none of the first group of users;

an event generation engine, the event generation engine uses the at least one biometric signal input to generate the event sequence; and

at least one multimedia event output to transmit multimedia events to the first group of users.

21. (original) The apparatus according to claim 20, wherein the game platform is a processor selected from a group consisting of an electronic game platform, a computer processor, a desktop computer, a server, a laptop computer, a portable electronic game, a cellular phone, or a PDA.

22. (original) The apparatus according to claim 20, further comprising at least one bios input.

23. (original) The apparatus according to claim 22, wherein the bios input is selected from a group consisting of a mouse, a keyboard, an electronic pen, a track ball, a mouse pad, and a joystick.

24. (original) The apparatus according to claim 20, further comprising at least one biometric sensor connected to the at least one biometric signal input.

25. (currently amended) The apparatus according to claim 24, wherein the ~~plurality of at least one~~ biometric sensors corresponds to the number of the second ~~first~~ group of users.

26. (original) The apparatus according to claim 20, wherein the at least one game platform comprises a plurality of game platforms connected by a network.

27. (original) The apparatus according to claim 26, wherein at least one of the plurality of game platforms comprises a server.

28. (original) The apparatus according to claim 26, wherein the network comprises at least one of a local area network, a wide area network, an Internet, a World Wide Web, and an Ethernet.

29. (currently amended) The apparatus according to claim 20, wherein the game platform further comprises a user identifier, the user identifier identifies the second group of users ~~from~~ and the first group of users.

30. (original) The apparatus according to claim 29, wherein the second group of users equals the first group of users.

31. (original) The apparatus according to claim 20, wherein the second group of users comprises at least one user from the first group of users.

32. (original) The apparatus according to claim 24, further comprising at least one biometric signal interface between the at least one biometric sensor and the at least one biometric signal input.

33. (original) The apparatus according to claim 32, wherein the at least one biometric signal interface converts raw biometric information to a biometric signal input usable by the game platform.

34. (currently amended) A system for playing a multiplayer biometric feedback game, comprising:

at least one server;

at least one game platform;

the at least one server connected to the at least one game platform through a network connection;

~~a plurality of~~ at least one biometric sensors coupled to the at least one game platform;

the at least one server comprising:

at least one biometric signal input port to receive a biometric signal,

at least one multimedia event output port to output multimedia events,

at least one event engine to use the biometric signal to generate an event sequence, and

at least one multimedia event engine to generate multimedia events based on the event sequence to be output through the at least one multimedia event output port;

the at least one game platform comprising:

at least one biometric input port to receive biometric input from the ~~plurality of~~ at least one biometric sensors,

at least one biometric signal output port to output the biometric signal,

at least one multimedia event input port to receive multimedia events, and

at least one display to display the received multimedia events.

35. (currently amended) The system according to claim 34, further comprising at least one processor, the processor generates a game score based on biometric input received from the ~~plurality of~~ at least one biometric sensors.

36. (currently amended) The system according to claim 35, wherein the at least one processor is located within the server.

37. (currently amended) The system according to claim 35, wherein the at least one processor generates the game score based on a composite of individual game scores.

38. (canceled)

39. (original) The system according to claim 34, further comprising at least one bios input coupled to the at least one game platform, whereby the at least one bios input is transmitted to the at least one server and used by the multimedia event engine to generate multimedia events.

40. (original) The apparatus according to claim 34, wherein the network connection comprises a connection selected from the group consisting of a local area network, a wide area network, a World Wide Web, an Internet, and an Ethernet.

41-42. (canceled)

43. (new) A system for playing a biofeedback game, the system comprising:

at least one gaming platform, the at least one gaming platform comprising a multimedia output to display a sequence of multimedia events to at least one user, a bios input to receive bios input from a controller, a biofeedback signal input to receive biometric input from the at least one user, and a multimedia engine to generate the sequence of multimedia events;

at least one biometric sensor attached to the at least one user, the at least one biometric sensor providing coupled to the biofeedback signal input to provide biometric input; and

an indexing server, the indexing server using the biometric input to provide sequence information to the multimedia engine such that the multimedia engine can generate the sequence of multimedia events.

44. (new) The system according to claim 43, wherein the indexing server is incorporated into the at least one gaming platform.

45. (new) The system according to claim 43, wherein the indexing server is remote from the at least one gaming platform and connected to the at least one gaming platform through a network.

46. (new) The system according to claim 43, wherein the at least one gaming platform comprises a plurality of gaming platforms, and wherein the indexing server is incorporated into one of the plurality of gaming platforms to coordinate the sequence of multimedia events displayed by the plurality of gaming platforms.

47. (new) The system according to claim 43, wherein the controller comprises at least one of a mouse, a keyboard, or a graphical user interface.